

IFW

PATENT
81754.0110

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Takayoshi OBINATA

Serial No: 10/801,107

Filed: March 15, 2004

For: Semiconductor Wafer, Semiconductor
Device and Method for Manufacturing
Same, Circuit Board and Electronic
Apparatus

Art Unit: 2812

Examiner: Not Assigned

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Shindale Ferguson

Name

June 1, 2005

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Date

TRANSMITTAL OF POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is the following:

- ☒ An executed Power of Attorney (PTO/SB/80)
- ☒ Statement Under 37 CFR 3.73(b) (PTO/SB/96)
- ☒ A copy of the Assignment
- ☒ A copy of the Recordation Form Cover Letter
- ☒ A copy of the Notice of Recordation of Assignment Document

The Commissioner is authorized to charge any underpayment to our Deposit Account
No. 50-1314. A copy of this letter is enclosed.

Respectfully submitted,

Date: June 1, 2005

By: Lawrence J. McClure

Lawrence J. McClure

Registration No. 44,228

Attorney for Applicant(s)

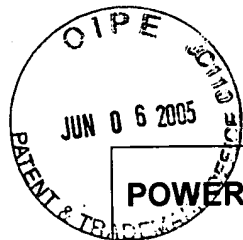
HOGAN & HARTSON L.L.P.

500 South Grand Avenue, Suite 1900

Los Angeles, California 90071

Phone: 213-337-6700

Fax: 213-337-6701



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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

26021

OR



Practitioner(s) named below:

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records of assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

26021

OR



Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

Assignee Name and Address:

Seiko Epson Corporation
3-5, Owa 3-Chome, Suwa-shi
Nagano-ken, 392-8502 Japan

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

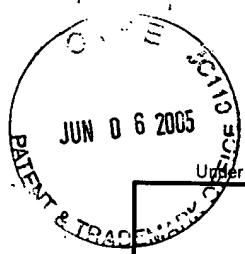
SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	April 11, 2005
Name	Masatake KAMIYANAGI	Telephone	
Title	Director		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 122 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Takayoshi OBINATA

Application No./Patent No.: 10/801,107 Filed/Issue Date: March 15, 2004

Entitled: Semiconductor Wafer, Semiconductor Device and Method for Manufacturing Same, Circuit Board, and Electronic Apparatus

SEIKO EPSON CORPORATION, a CORPORATION
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. ☒ the assignee of the entire right, title, and interest; or
- 2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- 1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- 2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- 3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

M. Kamiyangi
Signature

February 1, 2005
Date

Masataka Kamiyangi, Director
Printed or Typed Name

Telephone Number

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Seiko Epson / TMS

8754.0110

FEBRUARY 01, 2005

PTAS



102805119A

HOGAN & HARTSON LLP.
ANTHONY J. ORLER
500 S. GRAND AVENUE
STE. 1900
LOS ANGELES, CA 90071

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/02/2004

REEL/FRAME: 015631/0978
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
OBINATA, TAKAYOSHI

DOC DATE: 07/23/2004

ASSIGNEE:
SEIKO EPSON CORPORATION
4-1 NISHI-SHINJUKU 2-CHOME
SHINJUKU-KU, TOKYO, JAPAN

SERIAL NUMBER: 10801107
PATENT NUMBER:

FILING DATE: 03/15/2004
ISSUE DATE:

TITLE: SEMICONDUCTOR WAFER, SEMICONDUCTOR DEVICE AND METHOD FOR
MANUFACTURING SAME, CIRCUIT BOARD, AND ELECTRONIC APPARATUS

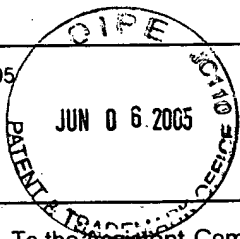
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015631/0978 PAGE 2

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TER

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.: 81754.0110

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takayoshi OBINATA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: July 23, 2004

2. Name and address of receiving party(ies):

SEIKO EPSON CORPORATION
4-1, Nishi-shinjuku 2-chome,
Shinjuku-ku, Tokyo, Japan

7-2 041

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/801,107

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Anthony J. Orler, Esq.
HOGAN & HARTSON L.L.P.
500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Anthony J. Orler

Date: July 30, 2004

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

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08/03/2004 GTON11 00000046 10801107

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2004 AUG -2 4:19
FINANCE SECTION

Seiko Epson Ref. No.: J0000295US01

譲渡証 (Translation/日本語訳)

下記に署名した私/私達。

本日 幸社 は、

ある発明を創出し、これについて合衆国特許出願は

- ☐ ここに私/私達により署名され、
☐ _____に私/私達により(それぞれ)署名され、
☒ 2004年3月15日に出席され、出席番号10/801.107が交付され、
☐ PCT 国際出願 _____として _____に出席され、

その発明は

半導体ウエハ、半導体装置及びその製造方法、回路基板並びに電子機器

という名称である。そして、ここにその受領を認める対価で：私/私達は、当該発明/出願について、合衆国とその属領及び全ての外国に於ける全面的かつ独占的な権利：合衆国とその属領及び全ての外国に於いて発行される特許証に関わる全ての権利、所有権、利益：一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等、合衆国とその属領及び全ての外国に於いて既に出願されたか若しくは今後出願される特許に関わる全ての権利；そして、国際条約、同盟、契約、法令、協定(将来制定されるものを含む)に基づく全ての優先権を伴う一切の権利；を、日本国東京都新宿区西新宿2丁目4番1号に住所を有するセイコーエプソン株式会社、その後継者、譲受人及び法定代理人に対して、売却、譲渡、移転するものとする。

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Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Takayoshi OBINATA,

who have created a certain invention for which an application for United States Letters Patent

- ☐ executed by ME/US on even date herewith,
☐ executed by ME/US on _____, (respectively),
☒ filed on March 15, 2004 and assigned Serial No. 10/801.107,
☐ filed as International Application No. _____ filed on _____

and entitled:

SEMICONDUCTOR WAFER, SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING SAME, CIRCUIT BOARD, AND ELECTRONIC APPARATUS

Do hereby sell, assign and transfer to Seiko Epson Corporation, a corporation of Japan, having a place of business at 4-1, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Seiko Epson Corporation, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof, and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title in said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Seiko Epson Ref. No.: J0009295US01

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影響する、如何なる譲渡、授権、抵当権、ライセンス等その他
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されていることを、当該譲受人、後継者、被譲渡者、及び本
代理人に対して誓約するものである。

さらに、下記に署名した私/私達はこの譲渡書は英語の部分の
表現によってのみ解釈されることに同意する。

上記を証明するため、私/私達は下記口付で署名する。

Inventor with said Assignee, its successors, assigns, or legal
representatives that no assignment, grant, mortgage, license or
other agreement affecting the rights and property herein conveyed
has been made to others by the undersigned, and that full right to
convey the same as herein expressed is possessed by the
undersigned.

I/WE, the undersigned do further agree that this Assignment is to
be construed solely according to the terms of the English language
portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR
signature seal on the date indicated herein.

唯一または第一発明者名		Full name of sole or first inventor	
大日方 孝好		Takayoshi OBINATA	
発明者の署名	日付	Inventor's signature	Date
大日方 孝好	2004年 7月 23日	Takayoshi Obinata	7/23/2004
第二共同発明者 (いる場合)		Full name of second joint inventor, if any	
第二共同発明者の署名	日付	Second Inventor's signature	Date
第三共同発明者 (いる場合)		Full name of third joint inventor, if any	
第三共同発明者の署名	日付	Third Inventor's signature	Date
第四共同発明者 (いる場合)		Full name of fourth joint inventor, if any	
第四共同発明者の署名	日付	Fourth Inventor's signature	Date
第五共同発明者 (いる場合)		Full name of fifth joint inventor, if any	
第五共同発明者の署名	日付	Fifth Inventor's signature	Date
第六共同発明者 (いる場合)		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付	Sixth Inventor's signature	Date
第七共同発明者 (いる場合)		Full name of seventh joint inventor, if any	
第七共同発明者の署名	日付	Seventh Inventor's signature	Date
第八共同発明者 (いる場合)		Full name of eighth joint inventor, if any	
第八共同発明者の署名	日付	Eighth Inventor's signature	Date